

Title (en)

FLEXIBLE HYDROSTATICALLY NORMALIZED CRADLE TO SUPPORT FUSELAGE SECTIONS FOR ASSEMBLY

Title (de)

FLEXIBLE HYDROSTATISCH NORMALISIERTE WIEGE ZUR UNTERSTÜTZUNG VON RUMPFABSCHNITTEN ZUR MONTAGE

Title (fr)

BERCEAU FLEXIBLE HYDROSTATIQUEMENT NORMALISÉ POUR SUPPORTER DES SECTIONS DE FUSELAGE POUR L'ASSEMBLAGE

Publication

EP 3315417 B1 20200318 (EN)

Application

EP 17198274 A 20171025

Priority

US 201615339089 A 20161031

Abstract (en)

[origin: EP3315417A1] A fuselage cradle support assembly, which can be used as part of a jacking system during aircraft manufacture, is described. The fuselage cradle support assembly can include an array of fuselage cradles. The fuselage cradle support assembly can be configured to limit motion of each fuselage cradle in a cradle array to only vertical and horizontal movements. The vertical movements can be generated using actuators, such as hydraulic actuators, which are communicatively coupled to one another to distribute loads within the cradle array.

IPC 8 full level

B64F 5/10 (2017.01); **B64F 5/00** (2017.01)

CPC (source: CN EP US)

B64F 5/00 (2013.01 - EP US); **B64F 5/10** (2016.12 - CN EP US); **B66F 7/16** (2013.01 - US); **B66F 11/00** (2013.01 - CN); **F15B 21/00** (2013.01 - CN)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3315417 A1 20180502; **EP 3315417 B1 20200318**; CA 2977554 A1 20180430; CA 2977554 C 20220719; CN 108001707 A 20180508; CN 108001707 B 20230117; US 10919746 B2 20210216; US 2018118540 A1 20180503

DOCDB simple family (application)

EP 17198274 A 20171025; CA 2977554 A 20170825; CN 201710981429 A 20171020; US 201615339089 A 20161031